

Title (en)  
Method for freezing

Title (de)  
Verfahren zum Gefrieren

Title (fr)  
Procédé de congélation

Publication  
**EP 0505222 B1 20000329 (FR)**

Application  
**EP 92400387 A 19920213**

Priority  
FR 9103430 A 19910321

Abstract (en)  
[origin: EP0505222A1] Method for freezing a product, according to which said product is brought into contact with a film constituted by a liquefied gas, the boiling point of which is less than -30 DEG C, arranged on the surface of a vibrating support, and the frozen product is separated at least in part from said film of liquefied gas. Device for freezing a product, comprising a vibration generator (7) connected to a support (2), on the surface of which there is arranged a film of liquefied gas (3), the boiling point of which is less than -30 DEG C. <IMAGE>

IPC 1-7  
**F25D 3/11**; **F25D 25/04**

IPC 8 full level  
**A23L 3/36** (2006.01); **A23L 3/375** (2006.01); **F25C 1/00** (2006.01); **F25D 3/11** (2006.01); **F25D 25/04** (2006.01)

CPC (source: EP US)  
**A23L 3/375** (2013.01 - EP US); **F25C 1/00** (2013.01 - EP US); **F25D 3/11** (2013.01 - EP US); **F25D 25/04** (2013.01 - EP US)

Cited by  
FR2853403A1; DE10154134A1; EP0919279A1; AU692060B2; US5881561A; DE10147526A1; DE10147526B4; FR2939499A1; EP0617247A1; FR2703139A1; US5419140A; DE10026854A1; EP0605147A3; AU668613B2; US5522227A; US7739878B2; WO9626400A1; WO9600371A1; WO2008138792A3; US7805951B2; WO2004092668A1; WO2010063918A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0505222 A1 19920923**; **EP 0505222 B1 20000329**; AR 247787 A1 19950331; AT E191273 T1 20000415; AU 1544192 A 19921021; AU 658178 B2 19950406; BR 9204805 A 19930713; CA 2083285 A1 19920922; CA 2083285 C 20020115; DE 69230843 D1 20000504; DE 69230843 T2 20001026; DK 0505222 T3 20000626; ES 2144410 T3 20000616; FR 2674320 A1 19920925; FR 2674320 B1 19990129; GR 3033385 T3 20000929; JP 3050915 B2 20000612; JP H05506301 A 19930916; NZ 241978 A 19940927; PL 168750 B1 19960430; PT 505222 E 20000731; US 5299426 A 19940405; WO 9216803 A1 19921001; ZA 921986 B 19921125

DOCDB simple family (application)  
**EP 92400387 A 19920213**; AR 32198392 A 19920323; AT 92400387 T 19920213; AU 1544192 A 19920213; BR 9204805 A 19920213; CA 2083285 A 19920213; DE 69230843 T 19920213; DK 92400387 T 19920213; ES 92400387 T 19920213; FR 9103430 A 19910321; FR 9200138 W 19920213; GR 20000401072 T 20000509; JP 50638292 A 19920213; NZ 24197892 A 19920316; PL 29692992 A 19920213; PT 92400387 T 19920213; US 94924892 A 19921123; ZA 921986 A 19920318